# Yorkshire Dales National Park

Forecast valid from 00:00 on Monday 05 Apr 2021 until 23:59 on Tuesday 06 Apr 2021

Forecast Issued on Sunday 04 Apr 2021 at 16:27

**Confidence:** High for a change to much colder, but mainly dry conditions from Monday onwards with a few snow showers. Strong winds and widespread overnight frosts expected.

**Headline for Monday 05 Apr 2021:** Windy and feeling very cold. Early snow clearing to a largely dry and sunny day.

**Mountain weather hazards on Monday 05 Apr 2021**

**Blizzards**
Low Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
Low Likelihood

**Severe chill effect**
High Likelihood

**Poor visibility**
Medium Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
No Likelihood

**Strong sunlight**
Medium Likelihood

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Light snow | Light snow | Clear night | Sunny | Sunny | Light snow showers | Sunny intervals | Clear night |
| Precipitation probability | | | | | | | |
| 30% | 90% | 10% | 00% | <05% | 30% | 20% | <05% |

**Forecast for Monday 05 Apr 2021**

**Weather:** Very windy and mostly cloudy overnight with a short-lived (around 1 hour) band of sleet and snow that crosses the range during the early hours. Some small accumulations are likely, especially on hills. Becoming dry and clear before dawn, leading into a sunny and dry morning, but it remains windy and very cold with a significant wind chill. Patchy cloud develops into the afternoon, with a medium chance of a few short-lived snow showers towards the evening. Skies clearing during the evening but staying windy. Becoming very cold.

**Chance of cloud free mountain/hill tops above 600m:** Generally 100%, but 20% in sleet or snow overnight and 80% in any late afternoon or early evening snow showers.

**Visibility:** Excellent visibility at all levels for much of the day. Extensive cloud bases down to 400-500m on north and western-facing slopes in overnight sleet and snow. Sudden deteriorations in any late afternoon or early evening snow showers with cloud bases temporarily lowering to 500-600m.

**Forecast for Monday 05 Apr 2021**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 28/39 NW | 23/32 NW | 22/30 NW | 23/32 NW | 25/35 NW | 22/32 NW | 20/28 NW | 17/26 NW | 18/26 NW |
| **300** | 18/37 NW | 16/32 NW | 13/29 N | 16/31 NW | 18/35 NW | 16/32 NW | 13/27 NW | 10/25 NW | 10/24 NW |
| **Valley** | 14/32 NW | 13/29 N | 10/25 N | 14/29 NW | 15/31 NW | 15/29 NW | 12/25 NW | 9/23 NW | 8/22 NW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 0/-8 | -2/-10 | -6/-15 | -5/-14 | -2/-10 | -0/-7 | -1/-8 | -3/-10 | -5/-13 |
| **300** | 3/-3 | 0/-6 | -3/-10 | -2/-8 | 2/-4 | 4/-1 | 2/-3 | -1/-6 | -3/-8 |
| **Valley** | 4/-0 | 1/-4 | -2/-7 | 0/-6 | 4/-1 | 5/1 | 3/-1 | 0/-4 | -1/-5 |
| **Freezing Level*** | 400m | 100m | 00m | 00m | 00m | 100m | 00m | 00m | 00m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

In spite of it being April and largely sunny on Monday, it will be exceptionally cold, exacerbated by the strength of the wind. Adequate cold-weather clothing is strongly advised. Moderate UV levels mean that sunscreen protection is also recommended. Maximum wind gusts over summits will likely be 5-10mph stronger than indicated in the table above. Ground at elevation, especially in the shade, may be icy.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 14:00 on Sun 04 Apr 2021 | 0mm | 0mm | 0mm |

**Forecast for Tuesday 06 Apr 2021**

**Weather:** Another very cold and windy day. Mainly dry and sunny, with occasional afternoon or early evening snow showers.

**Maximum wind:** North-westerly 30 mph, gusting 40-45 mph.

**Chance of cloud free mountain/hill tops above 600m:** Generally 100%, but 80% in any afternoon or early evening snow showers.

**Visibility:** Excellent air clarity at all levels for much of the day. Sudden deteriorations possible in any afternoon or early evening snow showers with cloud bases temporarily lowering to 500-600m.

**Temperature:** **Valleys:** Minus 3 degrees Celsius, rising to plus 3 degrees Celsius by day.
**At 600m:** Minus 6 degrees Celsius, rising to minus 2 degree Celsius by day.
**Freezing level:** All levels lifting to 300 metres by day.